

What is claimed:

1. A two-dimensional data processing apparatus comprising:
 - operating means for inputting two-dimensional data, and for outputting one piece of two-dimensional data obtained after subjected selectively to one of a plurality of predefined operations to a row or a column of said input two-dimensional data;
 - designating means for designating an operation type which specifies said operation by said operating means, and an input target and an output target of said operation;
 - recording means for recording at least one set of operation contents in the designated order of said operation contents, with the operation type, input target and output target designated through said designating means being one set of operation contents; and
 - activating means for sequentially reading out said operation contents recorded by said recording means, and for selectively activating one operation for said operating means based on the operation type, input target and output target of said operation contents.
2. A two-dimensional data processing apparatus of claim 1,
 - wherein said recording means records said operation contents as two-dimensional data.
3. A two-dimensional data processing apparatus of claim 1, further comprising:
 - execution-time designating means for designating the input target and the output target of said operation by said operating means, at execution time of said operation; and
 - wherein said activating means selectively activates one operation of said operating means based on the input target and the output target designated by said execution-time designating means, when a specific identifier is included in said operation contents recorded by said recording means.
4. A two-dimensional data processing apparatus of claim 1,
 - wherein the input target and the output target of said operation by

said operating means are specified by another piece of two-dimensional data.

5. A two-dimensional data processing method comprising:

an operating step for inputting two-dimensional data, and for outputting a piece of two-dimensional data obtained after subjected selectively to one of a plurality of predefined operations to a row or a column of said input two-dimensional data;

a designating step for designating an operation type which specifies said operation by said operating step, and an input target and an output target of said operation;

a recording step for recording at least one set of operation contents in the designated order of said operation contents, with the operation type, input target and output target designated through said designating step being one set of operation contents; and

an activating step for sequentially reading out said operation contents recorded by said recording step, and for selectively activating one operation for said operating step based on the operation type, input target and output target of said operation contents.

6. A two-dimensional data processing method of claim 5,

wherein said recording step records said operation contents as two-dimensional data.

7. A two-dimensional data processing method of claim 5, further comprising:

an execution-time designating step for designating the input target and the output target of said operation by said operating step, at execution time of said operation; and

wherein said activating step selectively activates one operation of said operating step based on the input target and the output target designated by said execution-time designating step, when a specific identifier is included in said operation contents recorded by said recording step.

8. A two-dimensional data processing method of claim 5,

wherein the input target and the output target of said operation by

09781962 021401

said operating step are specified by another piece of two-dimensional data.

9. A computer readable recording medium recorded with a two-dimensional data processing program for rendering a computer to realize:

an operating function for inputting two-dimensional data, and for outputting one piece of two-dimensional data obtained after subjected selectively to one of a plurality of predefined operations to a row or a column of said input two-dimensional data;

a designating function for designating an operation type which specifies said operation by said operating function, and an input target and an output target of said operation;

a recording function for recording at least one set of operation contents in the designated order of said operation contents, with the operation type, input target and output target designated through said designating function being one set of operation contents; and

an activating function for sequentially reading out said operation contents recorded by said recording function, and for selectively activating one operation for said operating function based on the operation type, input target and output target of said operation contents.

10. A computer readable recording medium recorded with a two-dimensional data processing program of claim 9,

wherein said recording function records said operation contents as two-dimensional data.

11. A computer readable recording medium recorded with a two-dimensional data processing program of claim 9, further comprising:

an execution-time designating function for designating the input target and the output target of said operation by said operating function, at execution time of said operation; and

wherein said activating function selectively activates one operation of said operating function based on the input target and the output target designated by said execution-time designating function, when a specific identifier is included in said operation contents recorded by said recording function.

12. A computer readable recording medium recorded with a two-dimensional data processing program of claim 9,

wherein the input target and the output target of said operation by said operating function are specified by another piece of two-dimensional data.

09781963 024401
104120" 69518760